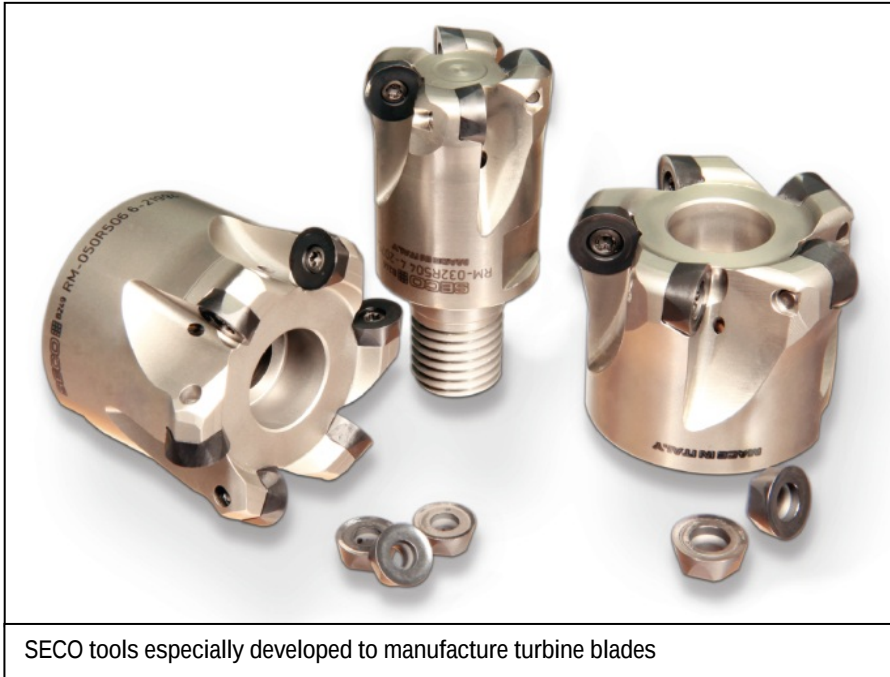


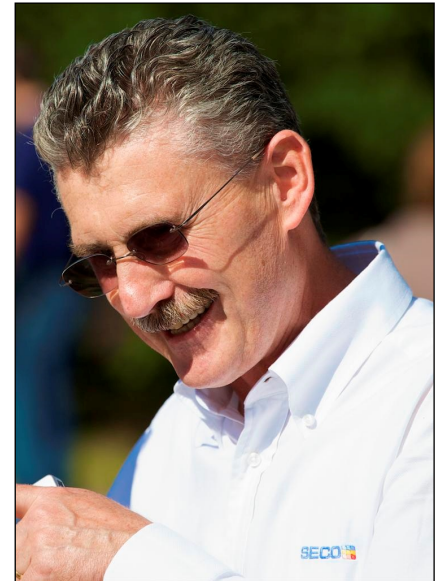
## CUSTOMER - REPORT

## SECO: Innovation and quality for their production

To achieve above average results, SECO Italy reengineered their own CNC manufacturing processes introducing modern software technology. They have reduced cycle time and cost utilizing *WinTool*.



SECO tools especially developed to manufacture turbine blades



Carlo Saibene  
Production Manager SECO Italy

SECO AB is an international corporation with its headquarters in Sweden. SECO Italy excels in the production of high-end tool innovations. They maintain a competence centre to provide consultation for their customers to increase their productivity, reduce cost and optimize the work flow.

#### Motive

The ongoing challenge at SECO Italy is to manage the increasing complexity, control their manufacturing cost and reduce the processing time. The task is to improve and standardize their own production tools and processes, in order to maintain highest production quality standards and a fast way to introduce new products.

#### Implementation

The first phase of the new *WinTool* project was the build-up of a new tool library. All tool components and assemblies needed to be recorded for this purpose. This was big job, but it paid off quickly and the technical clarifications and inquiries in the shop went down quickly.

In the second phase *WinTool* got systematically introduced to the workshop and they started producing tool lists and setup sheets. Because of the free viewer licenses all users in engi-

neering and on the shop floor could access the information on their work stations.

In the third phase SECO reorganizes management of tool component and tool duplo transfers in the tool crib and on the machines.

#### Advantages of a Central Database

*WinTool* enables a coordinated, central usage of all software packages at SECO machining engineering (NX, VERICUT and documentation). In the old days it took three tables that were not synchronized and showed many unwanted discrepancies.

The tool setup sheets have previously been assembled by hand (obviously the lists were not very detailed and errors not uncommon). In NX the tools needed to be created separately without being linked to a database. There have also been many redundancies often because of inconsistent tool naming.

#### Additional Benefits

In addition *WinTool* showed great benefits due to an improved tool assembly definition process. As a result the error rate in several aspects such as certainty, speed and flexibility, and of course collision control on the CNC machines got reduced significantly.

#### Future Plans

The next step in the project plan is the introduction of the *WinTool* Process Manager. This module allows the maximum of where-used-control for tool assembly duplos as well as the correct planning of tool component supply in the tool crib.

#### Project Experiences

All goals and deadlines have been met, despite the fact that SECO discovered additional needs during the project implementation, which challenged the folks at *WinTool* Inc. and required quite some flexibility. The biggest achievement is without doubt the team work that has developed between CAM engineers and the workers on the shop floor, who are using the *WinTool* software on a daily basis and get the full benefit from it.